

GLF76521 / GLF76521T Integrated Load Switch with Deep Sleep Mode

DESCRIPTION

The EV012 evaluation board features the GLF76521 / GLF76521T ultra-efficiency 2A rated load switch with a deep sleep mode by disconnecting the system from the battery pack completely to save input power capacity.

The /SRO pin offers a true deep sleep function enabling the load switch to completely disconnect the load from the input battery after a reasonable long delay time. This switch can help to significantly extend system battery life in mobile devices during shipping or the periods of extended off time.

FEATURES

- Integrated Delay Time(Hold Time) to Deep Sleep, 1.8 seconds
- Deep Sleep Mode by /SRO or OFF
- Ultra-Low I_Q: 3nA Typ at 3.6V_{BAT}
- Ultra-Low I_{SD}: 7nA Typ at 3.6V_{BAT}
9nA Typ at 4.2V_{BAT}
- Low R_{ON} = 31mΩ Typ at 3.6V_{BAT}
29mΩ Typ at 4.2V_{BAT}
- Up to 2A Continuous Current
- 0.97mm x 1.47mm x 0.5mm
WLCSP : GLF76521
- 0.97mm x 1.47mm x 0.35mm Ultra-Thin WLCSP : GLF76521T

NOTE: Please refer to the data specification for details

PRODUCT TABLE

Eval Board Ordering Info	Part Number	Top Mark	R _{ON} (Typ.) @ 3.6Vin	SRO Hold Time	Output Discharge
EV012-GLF76521	GLF76521	SF	31mΩ	1.8 s	85Ω
EV012-GLF76521T	GLF76521T				

EVALUATION BOARD

